

CLAIM AMENDMENTS

1-16 (Canceled)

17. (Currently Amended) A heat exchanger comprising:

first and second elongate circulating elements each having a longitudinal direction and each defining an interior space for conducting a flow of heat exchange medium in said longitudinal direction, and

a cooling element having a surface and also having a contact area at one edge, wherein the cooling element is bonded at its contact area to the first circulating element and is provided with louvers that are disposed at a first predetermined acute angle to the surface of the cooling element,

wherein the cooling element is part of a corrugated strip having alternating contact areas contacting the first and second circulating elements respectively,

the cooling element is disposed at a second predetermined acute angle to the longitudinal direction of the first circulating element,

and the first and second predetermined acute angles are substantially equal in magnitude.

18. (Previously Presented) A heat exchanger according to claim 17, wherein the magnitude of the second predetermined acute angle is in the range from 20 to 45 degrees.

19. (Previously Presented) A heat exchanger according to claim 17, wherein the contact area is substantially rectilinear over substantially its entire length.

20. (Previously Presented) A heat exchanger according to claim 17, wherein the cooling element is made of copper, a copper-based alloy, aluminum, or an aluminum-based alloy.

21. (Previously Presented) A heat exchanger according to claim 17, wherein the cooling element is a fin.

22. (Currently Amended) A heat exchanger comprising:

first and second elongate circulating elements each having a longitudinal direction and each defining an interior space for conducting a flow of heat exchange medium in said longitudinal direction, and

a cooling element composed of first and second portions each having a surface and each also having a contact area at one edge, wherein each portion of the cooling element is bonded at its contact area to the first circulating element and is provided with louvers, the louvers of the first portion of the cooling element are disposed at a first predetermined acute angle to the surface of the first portion of the cooling element, and the louvers of the second portion of the cooling element are disposed at a second predetermined acute angle to the surface of the second portion of the cooling element,

wherein the first portion of the cooling element is disposed at a third predetermined acute angle to the longitudinal direction of the first circulating element,

the second portion of the cooling element is disposed at a fourth predetermined acute angle to the longitudinal direction of the first circulating element,

and the first, second, third and fourth predetermined acute angles are substantially equal in magnitude.

23. (Previously Presented) A heat exchanger according to claim 22, wherein the magnitudes of the third and fourth predetermined acute angles are each in the range from 20 to 45 degrees.

24. (Previously Presented) A heat exchanger according to claim 22, wherein the contact areas of the first and second portions of the cooling element are each substantially rectilinear over substantially its entire length.

25. (Previously Presented) A heat exchanger according to claim 22, wherein the cooling element is made of copper, a copper-based alloy, aluminum, or an aluminum-based alloy.

26. (Previously Presented) A heat exchanger according to claim 22, wherein the cooling element is a fin.

27. (New) A heat exchanger according to claim 26, wherein the fin is disposed at an angle 45° to the longitudinal direction of the first circulating element and cooling medium enters the heat exchanger in a direction substantially parallel to the louvers.

28. (New) A heat exchanger according to claim 21, wherein the fin is disposed at an angle 45° to the longitudinal direction of the first circulating element and cooling medium enters the heat exchanger in a direction substantially parallel to the louvers.